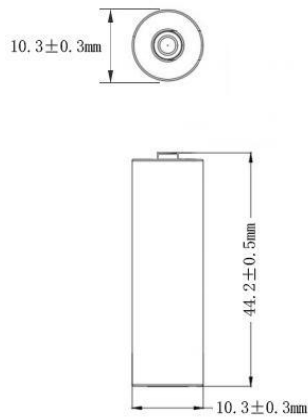


## XTAR 1.5V AAA 1000mAh (1620mWh) Li-ion Rechargeable Battery



### Standard Dimensions



### Specifications

|                        |                         |
|------------------------|-------------------------|
| Nominal Capacity:      | 1000mAh (1620mWh)       |
| Nominal Voltage:       | 1.5V                    |
| Max Discharge Current: | 2000mA continuous       |
| Cycle Life:            | 1200                    |
| Charging Voltage:      | 5V                      |
| Charging Current:      | 0.27±0.03A              |
| Protected:             | Yes                     |
| Positive Pole:         | Button Top              |
| With Indicator:        | Yes                     |
| Operating Temp:        | -20 to 60℃              |
| Charging Temp:         | 0-45℃                   |
| Storage Temp:          | -20 to 50℃ (best 25±5℃) |
| Net Weight:            | 9g                      |

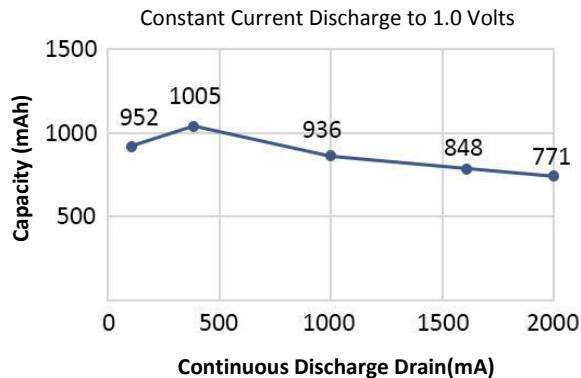
\*All data shown tested at 20±5℃ unless otherwise stated.

### Typical service output (new battery, at 20±5℃)

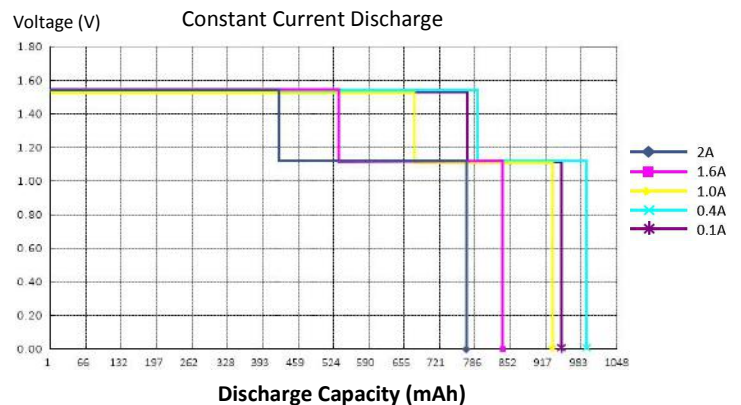
| Load | Conditions    | End Voltage | Time  |
|------|---------------|-------------|-------|
| 75Ω  | 4 h/d         | 1.0V        | 55.5H |
| 24Ω  | 15 s/m, 8 h/d | 1.0V        | 16.5H |
| 5.1Ω | 4m/h, 8h/d    | 1.0V        | 3.5H  |

| Name                    | XTAR 1.5V AAA 1000mAh(1620mWh) Li-ion Rechargeable Battery |        |      |      |        |
|-------------------------|------------------------------------------------------------|--------|------|------|--------|
| Test Condition          | Tests are carried out under the temperature of 20±5℃       |        |      |      |        |
| Test Current(mA)        | 100                                                        | 400    | 1000 | 1600 | 2000   |
| Measured Capacity (mAh) | 952                                                        | 1005   | 936  | 848  | 771    |
| Measured Energy (mWh)   | 1448                                                       | 1529.5 | 1424 | 1290 | 1173.5 |

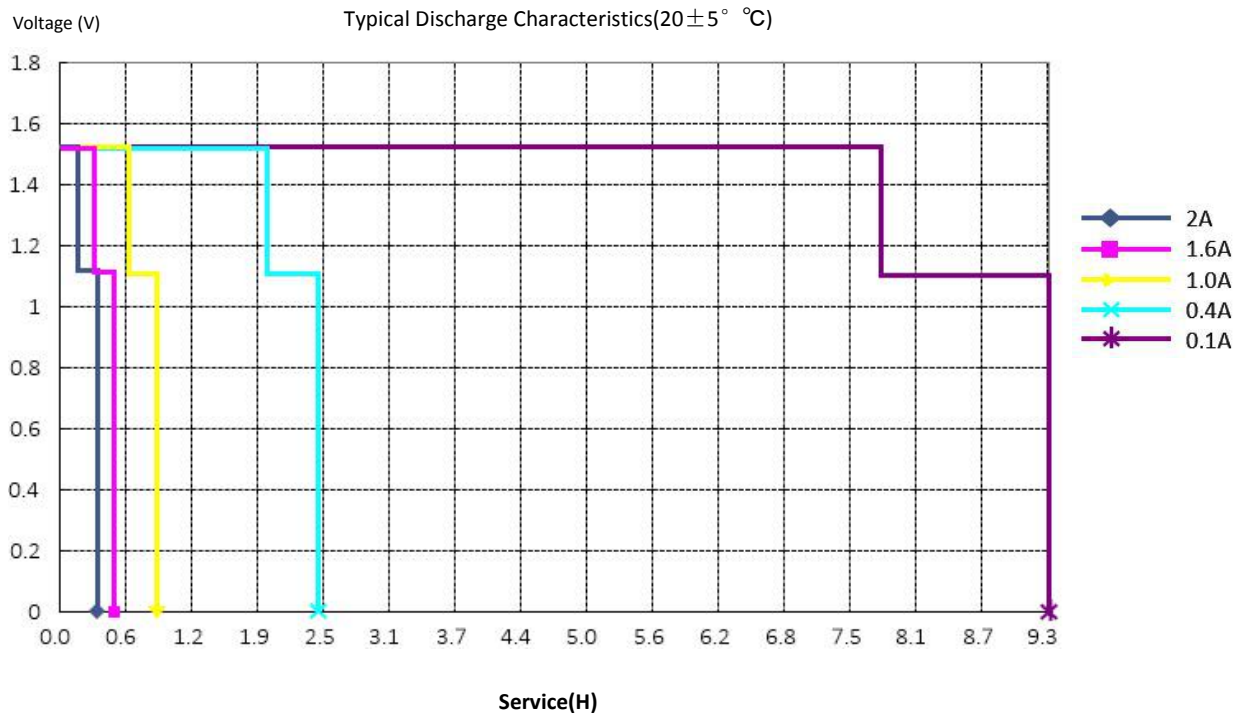
### Milliamp-Hours Capacity



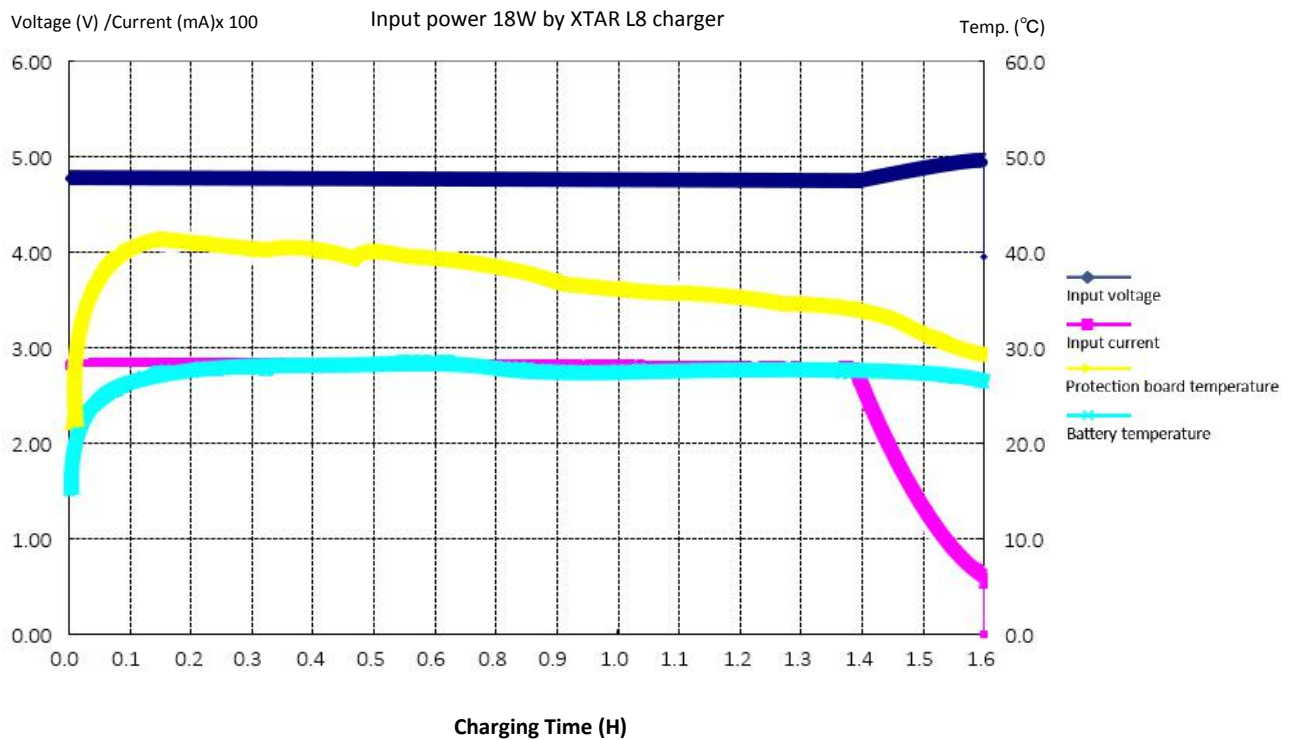
### Discharge Profile



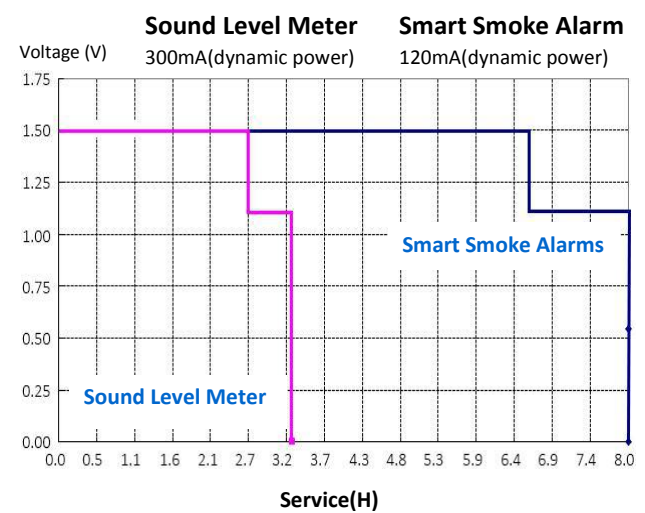
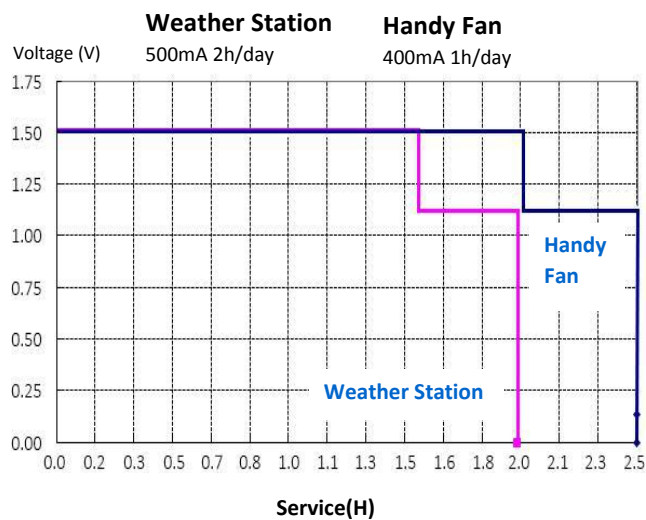
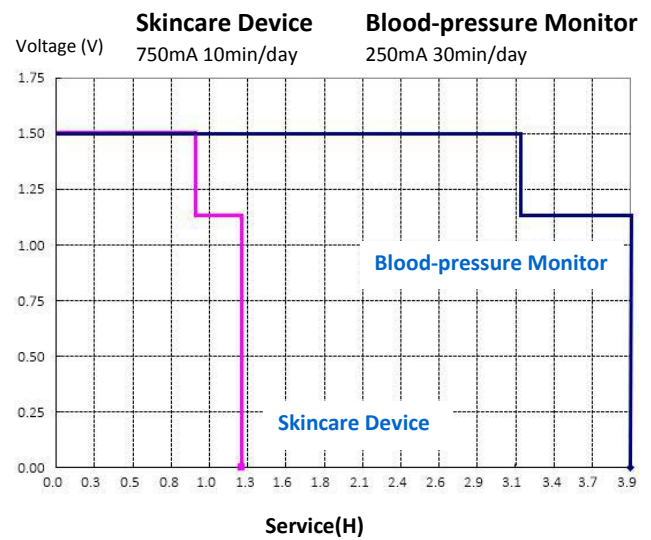
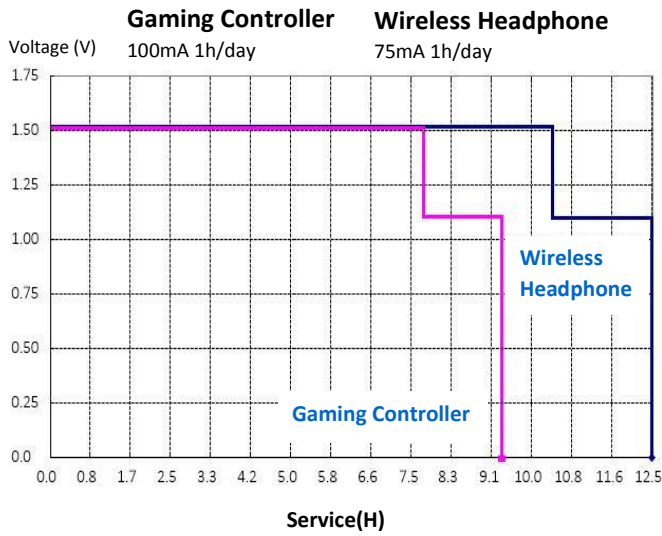
## Constant Output Performance



## Charging Current Diagram



## Application Tests



## Battery LED Indicator Status Table

| Battery Status          | LED Indicator Status                       |
|-------------------------|--------------------------------------------|
| In the charging         | 1HZ flash                                  |
| Charge complete         | LED on                                     |
| No battery              | High flash                                 |
| In the discharging      | LED off                                    |
| Discharge short circuit | 10HZ high flash                            |
| Discharge low voltage   | Blink at 1HZ for eight times, and then off |

### Important Notice

This data sheet contains typical information specific to batteries manufactured at the time of its publication.

**Contents herein do not constitute a warranty.**

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